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(54) PROCESS FOR PREPARATION OF WATER-BASED PIGMENT DISPERSION, AND WATER-BASED PIGMENT DISPERSION

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a water-based pigment dispersion which is excellent in storage stability, sedimentating property and filterability with time and which is hard to be damaged by the shock at the time of forming an ink.

SOLUTION: The process for the preparation of the water-based pigment dispersion, comprises a step of producing a mixture deposited in water from the strong acidic solution of a water-slightly soluble compound having a color part bonded with an acidic functional group and of a compound of a constitutional component of an organic pigment, a step of dispersing an organic pigment in water in the presence of the mixture obtained in the above step and then of adsorbing the above mixture on the surface of particles of the above organic pigment, and a step of removing an unadsorbed mixture in the water-based pigment dispersion obtained in the above step.

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